



VCF FILMS, Inc.

SPECIALTY FILMS --- PRODUCT INFORMATION

C-253 SOLVENT CAST PVC FILM

C-253 is a solvent-cast flexible PVC film with excellent clarity and high tear strength. C-253 is designed for applications in which toughness, good low temperature properties, dimensional stability, chemical resistance, and resistance to moisture vapor and common gases are required.

BENEFITS

- ❖ **Superior clarity**
- ❖ **Ultra low haze**
- ❖ **Pinhole free**
- ❖ **High tear strength**
- ❖ **Good low temperature properties**
 - **Used in window film applications**
- ❖ **Excellent toughness**
- ❖ **Good chemical resistance**

NOT FDA COMPLIANT

C-253 should not be used in food packaging applications or in contact with food.

Version 2.0, Last Updated: 6/18/09

VCF Films, Inc. - 1100 Sutton, Howell, Michigan 48843 - Telephone (888) 905-7680 - Fax (517) 546-2984

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C-253

GAUGES: 0.001 TO 0.002

Widths Up to 54"

Property	Units	Typical Value	Test Method
Specific Gravity		1.28	D792-50 Method A
Yield	Sq. in./lbs/mil	21,600	
Tensile Strength	Psi -MD, 1 mil	5900	D882
Ultimate Elongation	% - MD, 1 mil	450	D882
Tear Resistance	g/mil @25C	28	D1938-94
Stiffness	Psi@25C Psi@0 C Psi @-25 C	15,000 100,000 180,000	D1043.51
Low Temperature Impact	Degrees C -50% Non Failure	-40	SPI Impact Test
Heat Sealing-.001 &.002	Degrees C 163	205 210	
Shrinkage MD, TD	@ 200 F/10 mins, 1 mil	6%, 5%	D1204-94
Shrinkage MD, TD	@ 200°F / 30 min, 1 mil, 0.32 % SR	6 %, 4 %	
Haze	Percent, 1 mil	0.40	
Gas Permeability Oxygen Nitrogen Carbon Dioxide Air	@ 25 C dry: cc/100sq.in/24 hr./mil	140 40 960 60	
Oil Extraction	% @ 50/24	nil	D12339-52T
Water Vapor Transmission	95% RH; 100F, grams/100 sq. in/24/mil	.8	
Water Absorption-.075" Specimen	% Absorption % Soluble Matter Lost	0.02 0.00	D570-42 D570-41
Water Extraction-.002" Specimen	50C /24 hrs, %	.43	D1239-52T
Volatility	70C /24 hrs, %	5.0	D1203-52T

The information and suggestions contained herein represent the best information available to VCF Films, Inc., and we believe them to be reliable. They should not, however, be construed as controlling and are present without guarantee of performance either express or implied. We urge purchasers to conduct confirmatory tests to determine final suitability for their specific use. No statement with respect to use is intended as a positive recommendation for such use and no warranty with respect to infringement of patents held by others is made or intended.

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